

# BEST AVAILABLE COPY

|  |               |
|--|---------------|
| #1 Search "Amino acids"[Jour] AND 245[page] AND 2003[pdat]                                       | 19:46:41      |
| #16 Related Articles for PubMed (Select 16248081)  | 15:48:16 4    |
| #14 Search #12 and silyl synthesis carbohydrate  | 15:47:46      |
| #13 Search #12 and silyl synthesis carbohydrate mannitol and                                     | 15:47:36      |
| #12 Search "protecting groups"   | 15:47:21 10   |
| #11 Search silyl synthesis carbohydrate mannitol and "protecting groups"                         | 15:47:07      |
| #10 Search silyl synthesis carbohydrate mannitol and "protecting groups" Field: MeSH Major Topic | 15:47:02      |
| #9 Search silyl synthesis carbohydrate Field: MeSH Major Topic                                   | 15:46:39 5039 |
| #8 Search #7 and mannitol  | 15:45:00      |
| #7 Search #6 and protective groups   | 15:42:32 9    |
| #6 Search carbohydrates Field: MeSH Major Topic  | 15:41:39 5039 |
| #5 Search protective groups Field: MeSH Major Topic  | 15:40:15      |
| #4 Search protective organic synthesis Field: Title/Abstract                                     | 15:39:42      |
| #3 Search protective groups in organic chemistry   | 15:37:36 11   |
| #2 Search "The Journal of organic chemistry"[Jour] AND 6441[page] AND 2000[pdat]                 |               |

| Set | Items | Description  |
|-----|-------|--|
| S1  | 14    | AU=((MESEGUEER B?) OR (MESEG? B?))                         |
| S2  | 4     | S1 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPH?)          |
| S3  | 4     | RD (unique items)  |
| S4  | 30    | AU=((MILITZER H?) OR (MILITZ? H?)OR MILITZER HAN? CHRIST?) |
| S5  | 9     | S4 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)         |
| S6  | 9     | S5 NOT S1  |
| S7  | 9     | S5 NOT S3  |
| S8  | 156   | AU=((CASTILLON S?) OR (CAST? S?))                          |
| S9  | 50    | S8 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)         |
| S10 | 4     | S9 AND TRANSITION()METAL                                   |
| S11 | 50    | S9 AND CATAL?  |
| S12 | 1     | S9 AND MANNITOL  |
| S13 | 1     | S8 AND MANNITOL  |
| S14 | 30    | S8 AND RHOD?   |
| S15 | 30    | S14 NOT S7   |
| S16 | 30    | S15 NOT S3.  |
| S17 | 0     | S16 AND MONOP?   |
| S18 | 13    | S16 AND CHIRAL   |
| S19 | 138   | S8 AND PY<=2003  |
| S20 | 50    | S9 AND S11   |
| S21 | 4     | S20 AND 9  |
| S22 | 50    | S20 AND S9   |
| S23 | 4     | S10 NOT S13  |
| S24 | 211   | AU=(CLAVER C?)   |
| S25 | 23    | S24 AND (TRANSIT? OR MANNIT? OR PHOSPHO?)                  |
| S26 | 13    | S25 AND PY<=2003   |
| S27 | 13    | RD (unique items)  |
| S28 | 11    | S27 NOT S23  |
| S29 | 133   | AU=(DIAZ Y?)   |
| S30 | 2     | S29 AND (TRANSIT? OR MANNIT? OR PHOSPHO?)                  |
| S31 | 2     | S30 NOT S28  |
| S32 | 2     | RD (unique items)  |
| S33 | 3     | AU=(AGHMIZ M?)   |
| S34 | 3     | S33 NOT S28  |
| S35 | 3     | RD (unique items)  |
| S36 | 1     | S35 AND PY<=2003   |
| S37 | 7     | AU=(GUIU E?)   |
| S38 | 1     | S37 AND (TRANSIT? OR MANNIT? OR PHOSPHO?)                  |
| S39 | 1     | S38 NOT S28  |
| S40 | 13    | AU=(AGHMIZ A?)   |
| S41 | 12    | S40 NOT S8   |
| S42 | 1     | S41 AND (TRANSIT? OR MANNIT? OR PHOSPHOR?)                 |
| S43 | 12    | AU=(MASDEU A?)   |
| S44 | 10    | S43 NOT S19  |
| S45 | 9     | S44 NOT 23   |
| S46 | 9     | S45 NOT S37  |
| S47 | 9     | S46 NOT S1   |
| S48 | 2     | S47 AND (TRANSIT? OR MANNIT? OR PHOSPHOR?)                 |
| S49 | 2     | RD (unique items)  |

Dialog level 05.12.03D

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>>>      23sep06 13:42:17 User291213 Session D85.3
>>>      $0.64    0.107 DialUnits File5
>>>      $0.64  Estimated cost File5
>>>      $11.85   0.505 DialUnits File34
>>>      $11.85  Estimated cost File34
>>>      $1.11    0.126 DialUnits File71
>>>      $1.11  Estimated cost File71
>>>      OneSearch, 3 files,  0.738 DialUnits FileOS
>>>      $0.53    TELNET
>>>      $14.13  Estimated cost this search
>>>      $40.89  Estimated total session cost  1.483 DialUnits
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Reconnected in file OS 23sep06 13:42:57
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SYSTEM:OS - DIALOG OneSearch
File 5:Biosis Previews(R) 1969-2006/Sep W3
(c) 2006 The Thomson Corporation
File 34:SciSearch(R) Cited Ref Sci 1990-2006/Sep W3
(c) 2006 The Thomson Corp
File 71:ELSEVIER BIOBASE 1994-2006/Sep W3
(c) 2006 Elsevier B.V.
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Set Items Description
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Cost is in DialUnits
?
Terminal set to DLINK
? b 5 34 71
      23sep06 13:43:17 User291213 Session D85.4
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      $0.88    0.037 DialUnits File34
$0.88  Estimated cost File34
      $0.33    0.037 DialUnits File71
$0.33  Estimated cost File71
      OneSearch, 3 files,  0.112 DialUnits FileOS
$0.08  TELNET
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SYSTEM:OS - DIALOG OneSearch
File 5:Biosis Previews(R) 1969-2006/Sep W3
(c) 2006 The Thomson Corporation
File 34:SciSearch(R) Cited Ref Sci 1990-2006/Sep W3
(c) 2006 The Thomson Corp
File 71:ELSEVIER BIOBASE 1994-2006/Sep W3
(c) 2006 Elsevier B.V.
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Set Items Description
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      14 AU=MESEGUER B?
      0 AU=MESEG? B?
S1      14 AU=((MESEGUER B?) OR (MESEG? B?))
? s s1 and (transit? or catal? or mannit? or phosph?)
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>>>File 34 processing for PHOSPH? stopped at PHOSPHAZENIC  
>>>File 71 processing for PHOSPH? stopped at PHOSPHORECEPTOR

14 S1  
820676 TRANSIT?  
791953 CATAL?  
28570 MANNIT?  
941137 PHOSPH?  
S2 4 S1 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPH?)  
? rd  
S3 4 RD (unique items)  
? t s3/3,k/all

3/3,K/1 (Item 1 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

14857811 Genuine Article#: 0120R No. References: 54  
**Title:** New C-2- and C-1-symmetric phosphorus ligands based on carbohydrate scaffolds and their use in the iridium- catalysed hydrogenation of ketimines  
**Author(s):** Guiu E; Aghmiz M; Diaz Y; Claver C; Meseguer B ; Militzer C; Castillon S (REPRINT)  
**Corporate Source:** Univ Rovira & Virgili,Dept Quim Analit & Quim Organ,Pl Imperial Tarraco 1/Tarragona 43005//Spain/ (REPRINT); Univ Rovira & Virgili,Dept Quim Analit & Quim Organ,Tarragona 43005//Spain/; Univ Rovira & Virgili,Dept Quim Fis & Inorgan,Tarragona 43005//Spain/; Bayer AG,Cent Res,D-51368 Leverkusen//Germany/ (castillon@quimica.urv.es)  
**Journal:** EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, 2006, N3 (JAN 30), P627-633  
**ISSN:** 1434-193X Publication date: 20060130  
**Publisher:** WILEY-V C H VERLAG GMBH, PO BOX 10 11 61, D-69451 WEINHEIM, GERMANY  
**Language:** English **Document Type:** ARTICLE (ABSTRACT AVAILABLE)

...**Title:** C-1-symmetric phosphorus ligands based on carbohydrate scaffolds and their use in the iridium- catalysed hydrogenation of ketimines  
**Author(s):** Guiu E; Aghmiz M; Diaz Y; Claver C; Meseguer B ; Militzer C; Castillon S (REPRINT)  
...**Abstract:** the reaction. Results were best when Ph<sub>2</sub>PNET<sub>2</sub> was used in the presence of tetrazol as catalyst . These ligands were added to iridium complexes to give catalyst precursors that are active in the hydrogenation of imines 17 and 19. Cationic iridium complexes gave rise to catalytic systems that were more active than the neutral iridium complexes. The use of additives was...

3/3,K/2 (Item 2 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

09165610 Genuine Article#: 374HT No. References: 57  
**Title:** Solid-phase synthesis and biological evaluation of a teleocidin library-discovery of a selective PKC delta down regulator  
**Author(s):** Meseguer B ; AlonsoDiaz D; Griebenow N; Herget T; Waldmann H (REPRINT)  
**Corporate Source:** MAX PLANCK INST MOL PHYSIOL,OTTO HAHN STR 11/D-44227 DORTMUND//GERMANY/ (REPRINT); MAX PLANCK INST MOL PHYSIOL,/D-44227 DORTMUND//GERMANY/; BAYER AG,CENT RES/D-51368 LEVERKUSEN//GERMANY/; UNIV DORTMUND,INST PHYSIOL CHEM, FB 3/D-55099 MAINZ//GERMANY/  
**Journal:** CHEMISTRY-A EUROPEAN JOURNAL, 2000, V6, N21 (NOV 3), P3943-3957

ISSN: 0947-6539 Publication date: 20001103  
Publisher: WILEY-V C H VERLAG GMBH, PO BOX 10 11 61, D-69451 BERLIN,  
GERMANY  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): **Meseguer B** ; AlonsoDiaz D; Griebenow N; Herget T; Waldmann H  
(REPRINT)

3/3,K/3 (Item 3 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

06956084 Genuine Article#: 108JQ No. References: 36  
**Title: An efficient stereoselective synthesis of stypodiol and epistypodiol**  
Author(s): Abad A (REPRINT) ; Agullo C; Arno M; Cunat AC; **Meseguer B** ;  
Zaragoza RJ  
Corporate Source: UNIV VALENCIA, FAC QUIM, DEPT QUIM ORGAN, C-DR MOLINER  
50/E-46100 VALENCIA//SPAIN/ (REPRINT)  
Journal: JOURNAL OF ORGANIC CHEMISTRY, 1998, V63, N15 (JUL 24), P5100-5106  
ISSN: 0022-3263 Publication date: 19980724  
Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Abad A (REPRINT) ; Agullo C; Arno M; Cunat AC; **Meseguer B** ;  
Zaragoza RJ  
...Abstract: proceeds through common intermediates using an IMDA reaction,  
a sonochemical Barbier reaction, and an acid- catalyzed  
quinol-tertiary alcohol cyclization as key synthetic steps.

3/3,K/4 (Item 4 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

05286509 Genuine Article#: VN104 No. References: 17  
**Title: AN EFFICIENT STEREOCONTROLLED SYNTHESIS OF (-)-STYPOLDIONE**  
Author(s): ABAD A; AGULLO C; ARNO M; CUNAT AC; **MESEGUE B**  
Corporate Source: UNIV VALENCIA,DEPT QUIM ORGAN,DR MOLINER 50/E-46100  
BURJASSOT/VALENCIA/SPAIN/; UNIV VALENCIA,DEPT QUIM ORGAN/E-46100  
BURJASSOT/VALENCIA/SPAIN/  
Journal: SYNLETT, 1996, N9 (SEP), P913&  
ISSN: 0936-5214  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Author(s): ABAD A; AGULLO C; ARNO M; CUNAT AC; **MESEGUE B**  
...Abstract: from S-(+)-carvone (4) using an IMDA reaction, a sonochemical  
Barbier reaction and an acid- catalysed quinol-tertiary alcohol  
cyclization as key synthetic steps.

? s au=((militzer H?) or (militz? H?)or Militzer Han? Christ?)  
30 AU=MILITZER H?  
0 AU=MILITZ? H?  
0 AU=MILITZER HAN? CHRIST?  
S4 30 AU=((MILITZER H?) OR (MILITZ? H?)OR MILITZER HAN?  
CHRIST?)  
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30 S4  
820676 TRANSIT?

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791953 CATAL?
28570 MANNIT?
594832 PHOSPHO?
S5      9 S4 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)
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Set     Items   Description
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S2      4     S1 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPH?)
S3      4     RD (unique items)
S4      30   AU=((MILITZER H?) OR (MILITZ? H?)OR MILITZER HAN? CHRIST? )
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         9  S5
         14  S1
S6      9     S5 NOT S1
? s s5 not s3
         9  S5
         4  S3
S7      9     S5 NOT S3
? t s7/3,k/all

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7/3,K/1 (Item 1 from file: 34)  
DIALOG(R) File 34:SciSearch(R) .Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

15160860 Genuine Article#: 043QT No. References: 29  
**Title:** The Julia-Colonna epoxidation: Access to chiral, non-racemic epoxides  
**Author(s):** Geller T (REPRINT) ; Gerlach A; Kruger CM; Militzer HC  
**Corporate Source:** Bayer CropSci AG, Proc Res, Alfred Nobel Str 50/D-40789 Monheim//Germany/ (REPRINT); Bayer CropSci AG, Proc Res, D-40789  
Monheim//Germany/; Bayer CropSci AG, Proc Res, D-65926  
Frankfurt//Germany/; Wolff Cellulosics GmbH, D-29655 Walsrode//Germany/;  
Bayer HealthCare AG, Chem Dev, D-42096 Wuppertal//Germany/ (thomas.geller@bayercropscience.com)  
**Journal:** JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, 2006, V251, N1-2, SI (MAY 17), P71-77  
**ISSN:** 1381-1169 Publication date: 20060517  
**Publisher:** ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS  
**Language:** English Document Type: ARTICLE (ABSTRACT AVAILABLE)

**Author(s):** Geller T (REPRINT) ; Gerlach A; Kruger CM; Militzer HC  
**Abstract:** The co-catalysis of the Julia-Colonna epoxidation with selected phase transfer catalysts results in a dramatic increase of reactivity and sometimes also in a higher enantiomeric excess...  
...conditions, such that large scale industrial application of the method is now feasible. Highly active catalyst can be prepared via a statistical polymerisation of leucine-N-carboxyanhydride at elevated temperature. (c...  
...Identifiers--ASYMMETRIC EPOXIDATION; ALPHA,BETA-UNSATURATED KETONES; CHALCONE; CATALYSTS; ALPHA; OXIDATION; LEUCINE; ENONES; ACIDS

7/3,K/2 (Item 2 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

12899515 Genuine Article#: 830QJ No. References: 12  
**Title: Scoping the triphasic/PTC conditions for the Julia-Colonna epoxidation reaction**

Author(s): Geller T (REPRINT) ; Kruger CM; Militzer HC  
Corporate Source: Bayer CropSci AG, Proc Res, Alfred Nobel Str 50/D-40789 Monheim//Germany/ (REPRINT); Bayer CropSci AG, Proc Res, D-40789 Monheim//Germany/; Bayer Chem AG R&D, D-51368 Leverkusen//Germany/; Bayer Hlth Care AG, Proc Dev, Chem Dev, D-42096 Wuppertal//Germany/( thomas.geller@bayercropscience.com)  
Journal: TETRAHEDRON LETTERS, 2004, V45, N26 (JUN 21), P5069-5071  
ISSN: 0040-4039 Publication date: 20040621  
Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Geller T (REPRINT) ; Kruger CM; Militzer HC  
...Abstract: epoxidation is reported. Based on the original triphasic protocol it is shown that the co-catalysis of the reaction with phase transfer catalysts results in a dramatic increase of reactivity and sometimes also in a higher enantiomeric excess...

7/3,K/3 (Item 3 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

12899514 Genuine Article#: 830QJ No. References: 23  
**Title: Novel conditions for the Julia-Colonna epoxidation reaction providing efficient access to chiral, nonracemic epoxides**

Author(s): Geller T; Gerlach A; Kruger CM; Militzer HC (REPRINT)  
Corporate Source: Bayer HealthCare AG, D-42096 Wuppertal//Germany/ (REPRINT); Bayer HealthCare AG, D-42096 Wuppertal//Germany/; Bayer CropSci AG, D-40789 Monheim//Germany/; Bayer Chem AG, D-51368 Leverkusen//Germany/(hans-christian.militzer.hm@bayer-ag.de)  
Journal: TETRAHEDRON LETTERS, 2004, V45, N26 (JUN 21), P5065-5067  
ISSN: 0040-4039 Publication date: 20040621  
Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Geller T; Gerlach A; Kruger CM; Militzer HC (REPRINT)  
Abstract: The addition of a phase-transfer catalyst significantly accelerates the Julia-Colonna epoxidation reaction yielding chiral, nonracemic epoxy ketones. Furthermore, a reliable procedure for the preparation of highly active poly-L-leucine catalyst is reported. (C) 2004 Elsevier Ltd. All rights reserved.  
...Identifiers--POLYAMINO ACID CATALYSTS ; ASYMMETRIC EPOXIDATION; HELICAL STRUCTURE; INDUCTION; CHALCONE

7/3,K/4 (Item 4 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
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12873247 Genuine Article#: 829WG No. References: 63  
**Title: Development of protocols for the separation of Os catalysts from organic products in the catalytic dihydroxylation of olefins**

Author(s): Kokritz A (REPRINT) ; Bartoszek M; Dobler C; Beller M; Magerlein W; Militzer HC

Corporate Source: Berlin Adlersho eV, ACA, Inst Appl Chem, Richard Willstatter Str 12/D-12489 Berlin//Germany/ (REPRINT); Berlin Adlersho eV, ACA, Inst Appl Chem, D-12489 Berlin//Germany/; Leibniz Inst Organ Katalyse Rostock, D-18055 Rostock//Germany/; Bayer Chem AG, FCH, RD, LP2, D-51368 Leverkusen//Germany/

Journal: JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, 2004, V218, N1 (AUG 17), P55-66

ISSN: 1381-1169 Publication date: 20040817

Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Title: Development of protocols for the separation of Os catalysts from organic products in the catalytic dihydroxylation of olefins

Author(s): Kokritz A (REPRINT) ; Bartoszek M; Dobler C; Beller M; Magerlein W; Militzer HC

...Abstract: for the detection of electrophilic osmium species in organic product solutions. For recycling of the catalyst an osmium alkaloid complex was immobilised by introducing an ionic group into the ligand and embedding the catalyst in a polyelectrolyte matrix. In addition, the native polymeric aminosugar chitin was used as ligand as well as a support in the dihydroxylation for the first time. These chitin-based catalysts showed good productivities and retention of osmium from the products was ensured using NMO as the oxidant. However, the catalytic reaction did not proceed enantioselectively.

Enantiomerically enriched diols were obtained in high yields without significant...

...bleach as the oxidant with a downstream separation of the 1,2-diol from the catalyst by extraction. The remaining osmium-containing solution has been recycled up to eight times without...

...Identifiers--HETEROGENEOUS ASYMMETRIC DIHYDROXYLATION; CINCHONA ALKALOID LIGANDS; SUPPORTED OSMIUM CATALYST; POLYMER-BOUND LIGAND; TERMINAL OXIDANT; CIS-DIHYDROXYLATION; EFFICIENT; ALKENES; TETROXIDE; DIOLS

7/3,K/5 (Item 5 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
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12328920 Genuine Article#: 754NB No. References: 19

Title: Julia-Colonna oxidation reaction: Efficient access to chiral epoxides

Author(s): Geller T (REPRINT) ; Gerlach A; Kruger CM; Militzer HC

Corporate Source: Bayer CropSci AG, Alfred Nobel Str 50/D-40789 Monheim//Germany/ (REPRINT); Bayer CropSci AG, D-40789 Monheim//Germany/ ; Bayer AG, Bayer Chem, D-51368 Leverkusen//Germany/

Journal: CHIMICA OGGI-CHEMISTRY TODAY, 2003, V21, N9 (SEP), P6-8

ISSN: 0392-839X Publication date: 20030900

Publisher: TEKNOSCIENZE PUBL, VIA AURELIO SAFFI 23, 20123 MILAN, ITALY

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Geller T (REPRINT) ; Gerlach A; Kruger CM; Militzer HC

Abstract: The addition of a well chosen phase transfer catalyst significantly accelerates the Julia-Colonna epoxidation reaction yielding chiral epoxy ketones. Furthermore, a reliable preparation procedure for highly active poly-L-leucine catalyst has been developed.

...Identifiers--ASYMMETRIC EPOXIDATION REACTION; POLYAMINO ACID CATALYSTS  
; HELICAL STRUCTURE; INDUCTION; CHALCONE; KETONES; OLEFINS

7/3,K/6 (Item 6 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

11924567. Genuine Article#: 710MT No. References: 6  
**Title:** New monodentate chiral phosphite ligands for asymmetric hydrogenation  
Author(s): Hennen P; Militzer HC ; Vogl EM; Rampf FA (REPRINT)  
Corporate Source: Bayer AG,Bayer Chem,D-51368 Leverkusen//Germany/  
(REPRINT); Bayer AG,Bayer Chem,D-51368 Leverkusen//Germany/; Max Planck Inst Kohlenforsch,D-45470 Mulheim//Germany/  
Journal: CHEMICAL COMMUNICATIONS, 2003, N17, P2210-2211  
ISSN: 1359-7345 Publication date: 20030000  
Publisher: ROYAL SOC CHEMISTRY, THOMAS GRAHAM HOUSE, SCIENCE PARK, MILTON RD, CAMBRIDGE CB4 0WF, CAMBS, ENGLAND  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)  
Author(s): Hennen P; Militzer HC ; Vogl EM; Rampf FA (REPRINT)  
...Abstract: by a chiral alkylenedioxy bridge. We also describe results obtained with these ligands in rhodium- catalysed asymmetric hydrogenation of various substrates.

7/3,K/7 (Item 7 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.  
11381682 Genuine Article#: 643KD No. References: 47  
**Title:** A new practical method for the osmium- catalyzed dihydroxylation of olefins using bleach as the terminal oxidant  
Author(s): Mehltretter GM; Bhor S; Klawonn M; Dobler C; Sundermeier U; Eckert M; Militzer HC ; Beller M (REPRINT)  
Corporate Source: Univ Rostock eV,Inst Organ Katalyseforsch IfOK,Bunchbinderstr 5-6/D-18055 Rostock//Germany/ (REPRINT); Univ Rostock eV,Inst Organ Katalyseforsch IfOK,D-18055 Rostock//Germany/; Bayer AG,D-51368 Leverkusen//Germany/  
Journal: SYNTHESIS-STUTTGART, 2003, N2 (JAN), P295-301  
ISSN: 0039-7881 Publication date: 20030100  
Publisher: GEORG THIEME VERLAG KG, RUDIGERSTR 14, D-70469 STUTTGART, GERMANY  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

**Title:** A new practical method for the osmium- catalyzed dihydroxylation of olefins using bleach as the terminal oxidant  
Author(s): Mehltretter GM; Bhor S; Klawonn M; Dobler C; Sundermeier U; Eckert M; Militzer HC ; Beller M (REPRINT)  
Abstract: A general procedure for the osmium- catalyzed dihydroxylation of various olefins using bleach as oxidant is reported for the first time. Aromatic...  
...Identifiers--SHARPLESS ASYMMETRIC DIHYDROXYLATION; LIGAND-ACCELERATED CATALYSIS ; ENANTIOSELECTIVE DIHYDROXYLATION; ALCOHOL DERIVATIVES; AIR; TETROXIDE; LEADS; H2O2

7/3,K/8 (Item 8 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci

(c) 2006 The Thomson Corp. All rts. reserv.

10169469 Genuine Article#: 492QF No. References: 28  
**Title:** Selective oxidation of alcohols in the presence of an Os/O(2) system  
**Author(s):** Dobler C; Mehltretter GM; Sundermeier U; Eckert M; Militzer HC ; Beller M (REPRINT)  
**Corporate Source:** Univ Rostock eV, Inst Organ Katalyseforsch, IfOK, Buchbinderstr 5-6/D-18055 Rostock//Germany/ (REPRINT); Univ Rostock eV, Inst Organ Katalyseforsch, IfOK, D-18055 Rostock//Germany/; Bayer AG, D-51368 Leverkusen//Germany/  
**Journal:** TETRAHEDRON LETTERS, 2001, V42, N48 (NOV 26), P8447-8449  
**ISSN:** 0040-4039 **Publication date:** 20011126  
**Publisher:** PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND  
**Language:** English **Document Type:** ARTICLE (ABSTRACT AVAILABLE)

**Author(s):** Dobler C; Mehltretter GM; Sundermeier U; Eckert M; Militzer HC ; Beller M (REPRINT)

**Abstract:** The osmium- catalyzed oxidation of alcohols with molecular oxygen to give aldehydes in good to excellent yields has...

...phase system with a constant pH of 10.4. Under optimized reaction conditions a remarkable catalyst productivity (TON up to 16600) is observed. (C) 2001 Published by Elsevier Science Ltd.

...Identifiers-- CATALYZED AEROBIC OXIDATION; MOLECULAR-OXYGEN; ASYMMETRIC DIHYDROXYLATION; ALDEHYDES; EFFICIENT; SYSTEM; KETONES; 1,2-DICHLOROETHANE; DIOXYGEN; OXIDANT

7/3,K/9 (Item 9 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

03714465 Genuine Article#: PZ788 No. References: 43  
**Title:** A SIMPLE SYNTHESIS OF ALPHA,BETA-UNSATURATED GAMMA-AMINOBUTYRIC-ACID (GABA) DERIVATIVES FROM ENAMINES

**Author(s):** HENNIGES H; GUSSETTI C; MILITZER HC ; BAIRD MS; DEMEIJERE A  
**Corporate Source:** UNIV GOTTINGEN, INST ORGAN CHEM, TAMMANNSTR 2/D-37077 GOTTINGEN//GERMANY/; UNIV GOTTINGEN, INST ORGAN CHEM/D-37077 GOTTINGEN//GERMANY/; UNIV HAMBURG, INST ORGAN CHEM/D-20146 HAMBURG//GERMANY/; UNIV COLL N WALES, DEPT ORGAN CHEM/BANGOR LL57 2UW/GWYNEDD/WALES/

**Journal:** SYNTHESIS-STUTTGART, 1994, N12 (DEC), P1471-1475

**ISSN:** 0039-7881

**Language:** ENGLISH **Document Type:** ARTICLE (Abstract Available)

**Author(s):** HENNIGES H; GUSSETTI C; MILITZER HC ; BAIRD MS; DEMEIJERE A

...Abstract: cleavage of the dibenzylamino derivative 9d with trifluoroacetic acid yields the corresponding acid 10. Subsequent catalytic hydrogenation of 10 leads to the fully deprotected 4-amino-4-methylpentanoic acid (12) in...

...Research Fronts: IMINO ESTERS; GLYCINE DERIVATIVES; AMINATED ULOSONIC ACIDS)

93-4342 001 (ENANTIOMERICALLY PURE PROTECTED AMINO-ACIDS; CATALYTIC ENANTIOSELECTIVE ADDITION; HIGHLY STEREOSELECTIVE SYNTHESIS)

93-6672 001 (2,3-METHANOAMINO ACIDS; PSEUDOMONAS-SYRINGAE PV...)

? s au=((castillon S?) or (cast? s?))

118 AU=CASTILLON S?

38 AU=CAST? S?

S8 156 AU=((CASTILLON S?) OR (CAST? S?))

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? s s8 and (transit? or catal? or mannit? or phospho?)
>>>File 5 processing for PHOSPHO? stopped at PHOSPHOMOLYBDIC
>>>File 34 processing for PHOSPHO? stopped at PHOSPHONOACETATE
    156  S8
    820676  TRANSIT?
    791953  CATAL?
    28570   MANNIT?
    594832  PHOSPHO?
    S9      50  S8 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)
? s s9 and transition()metal
    50  S9
    605423  TRANSITION
    586685  METAL
    70303   TRANSITION(W)METAL
    S10     4   S9 AND TRANSITION()METAL
? s s9 and catal?
    50  S9
    791953  CATAL?
    S11     50  S9 AND CATAL?
? s s9 and mannitol
    50  S9
    28324   MANNITOL
    S12     1   S9 AND MANNITOL
? t s12

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12/2/1 (Item 1 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

13300832 Genuine Article#: 865MT Number of References: 44  
Title: C-2-symmetric diphosphinite ligands derived from carbohydrates. The strong influence of remote stereocenters on asymmetric rhodium-catalyzed hydrogenation  
Author(s): Aghmiz M; Aghmiz A; Diaz Y (REPRINT) ; Masdeu-Bulto A; Claver C; Castillon S  
Corporate Source: Univ Rovira & Virgili,Dept Quim Analit & Quim Organ, Fac Quim,Pl Imperial Tarraco 1/Tarragona 43005//Spain/ (REPRINT); Univ Rovira & Virgili,Dept Quim Analit & Quim Organ, Fac Quim,Tarragona 43005//Spain/; Univ Rovira & Virgili,Dept Quim Fis & Inorgan, Fac Quim,Tarragona 43005//Spain/(ydiaz@quimica.urv.es; castillon@quimica.urv.es)  
Journal: JOURNAL OF ORGANIC CHEMISTRY, 2004, V69, N22 (OCT 29), P7502-7510  
ISSN: 0022-3263 Publication date: 20041029  
Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)  
Geographic Location: Spain  
Journal Subject Category: CHEMISTRY, ORGANIC  
Identifiers--KeyWord Plus(R): CHIRAL LIGANDS; D-GLUCOSE; DEHYDROAMINO ACIDS; VINYL ARENES; AMINO-ACIDS; D- MANNITOL ; COMPLEXES; DERIVATIVES; HYDROCYANATION; PHOSPHINITES  
? ds

| Set | Items | Description  |
|-----|-------|--|
| S1  | 14    | AU=((MESEGUE B?) OR (MESEG? B?))                           |
| S2  | 4     | S1 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPH?)          |
| S3  | 4     | RD (unique items)  |
| S4  | 30    | AU=((MILITZER H?) OR (MILITZ? H?)OR MILITZER HAN? CHRIST?) |
| S5  | 9     | S4 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)         |
| S6  | 9     | S5 NOT S1  |
| S7  | 9     | S5 NOT S3  |
| S8  | 156   | AU=((CASTILLON S?) OR (CAST? S?))                          |

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S9      50  S8 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)
S10     4   S9 AND TRANSITION()METAL
S11     50  S9 AND CATAL?
S12     1   S9 AND MANNITOL
? s s8 and mannitol
      156  S8
      28324 MANNITOL
S13     1   S8 AND MANNITOL
? s s8 and rhod?
      156  S8
      185318 RHOD?
S14     30  S8 AND RHOD?
? s s14 not s7
      30  S14
      9   S7
S15     30  S14 NOT S7
? s s15 not s3
      30  S15
      4   S3
S16     30  S15 NOT S3
? t free
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? s s16 and monop?
      30  S16
      127004 MONOP?
S17     0   S16 AND MONOP?
? s s16 and chiral
      30  S16
      133060 CHIRAL
S18     13  S16 AND CHIRAL
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Set      Items    Description
S1       14   AU=((MESEGUER B?) OR (MESEG? B?))
S2       4    S1 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPH? )
S3       4    RD (unique items)
S4       30  AU=((MILITZER H?) OR (MILITZ? H?)OR MILITZER HAN? CHRIST? )
S5       9   S4 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO? )
S6       9   S5 NOT S1
S7       9   S5 NOT S3
S8       156 AU=((CASTILLON S?) OR (CAST? S?))
S9       50  S8 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO? )
S10      4   S9 AND TRANSITION()METAL
S11      50  S9 AND CATAL?
S12      1   S9 AND MANNITOL
S13      1   S8 AND MANNITOL
S14      30  S8 AND RHOD?
S15      30  S14 NOT S7
S16      30  S15 NOT S3
S17      0   S16 AND MONOP?
S18      13  S16 AND CHIRAL
? s s8 and py<=2003
Processing
      156  S8
      29685384 PY<=2003
S19     138  S8 AND PY<=2003
? s s9 and s11
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      50  S11
S20     50  S9 AND S11
? s s20 and 9

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50 S20  
2515738 9  
S21 4 S20 AND 9  
? s s20 and s9  
50 S20  
50 S9  
S22 50 S20 AND S9  
? s s10 not s13  
4 S10  
1 S13  
S23 4 S10 NOT S13  
? t s23/3,k/all

23/3,K/1 (Item 1 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

13439213 Genuine Article#: 880TZ No. References: 167  
**Title: Carbohydrate derivative ligands in asymmetric catalysis**  
Author(s): Dieguez M; Pamies O; Ruiz A; Diaz Y; Castillon S ; Claver C  
(REPRINT)  
Corporate Source: Univ Rovira & Virgili,Dept Quim Fis & Inorgan,Pl Imperial  
Tarraco 1/E-43005 Tarragona//Spain/ (REPRINT); Univ Rovira &  
Virgili,Dept Quim Fis & Inorgan,E-43005 Tarragona//Spain/; Univ Rovira  
& Virgili,Dept Quim Analit & Quim Organ,E-43005 Tarragona//Spain/

claver@quimica.urv.es)  
Journal: COORDINATION CHEMISTRY REVIEWS, 2004, V248, N21-24 (DEC), P  
2165-2192  
ISSN: 0010-8545 Publication date: 20041200  
Publisher: ELSEVIER SCIENCE SA, PO BOX 564, 1001 LAUSANNE, SWITZERLAND  
Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

**Title: Carbohydrate derivative ligands in asymmetric catalysis**  
Author(s): Dieguez M; Pamies O; Ruiz A; Diaz Y; Castillon S ; Claver C  
(REPRINT)

**Abstract:** This review describes how carbohydrates have been applied as ligands in transition metal asymmetric catalysis . In general, carbohydrates are functionalized with donor atoms such as P, N or S so that they can be coordinated to transition metals. The review deals with all the different types of ligands in turn. After an introduction describing their general features and advantages in asymmetric catalysis , the carbohydrate phosphorus ligands, diphosphines, diphosphites, diphosphinites, and related phosphorus ligands are reviewed. Heterodonor carbohydrate...

...ligands are also discussed. Other related ligands are included because of their importance in asymmetric catalysis . In all cases the most important results of their application in asymmetric catalysis are highlighted and the intermediates are studied. (C) 2004 Elsevier B.V.  
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23/3,K/2 (Item 2 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

12514771 Genuine Article#: 773MB No. References: 33  
**Title: A case for enantioselective allylic alkylation catalyzed by palladium nanoparticles**

Author(s): Jansat S; Gomez M; Philippot K; Muller G; Guiu E; Claver C;  
Castillon S ; Chaudret B (REPRINT)  
Corporate Source: Univ Barcelona,Dept Quim Inorgan,Marti & Franques  
1-11/Barcelona 08028//Spain/ (REPRINT); Univ Barcelona,Dept Quim  
Inorgan,Barcelona 08028//Spain/; CNRS,Chim Coordinat Lab,F-31077  
Toulouse 04//France/; Univ Rovira & Virgili,Dept Quim Fis & Quim  
Inorgan,Tarragona 43005//Spain/; Univ Rovira & Virgili,Dept Quim Analit  
& Quim Organ,Tarragona 43005//Spain/  
Journal: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 2004, V126, N6 (FEB 18)  
, P1592-1593  
ISSN: 0002-7863 Publication date: 20040218  
Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA  
Language: English Document Type: ARTICLE

Title: A case for enantioselective allylic alkylation catalyzed by  
palladium nanoparticles  
Author(s): Jansat S; Gomez M; Philippot K; Muller G; Guiu E; Claver C;  
Castillon S ; Chaudret B (REPRINT)  
...Identifiers-- TRANSITION - METAL NANoclUSTERS; KINETIC RESOLUTION;  
PLATINUM COLLOIDS; ETHYL PYRUVATE; HYDROGENATION; LIGANDS; PRECURSORS;  
POLYMER; SUZUKI

23/3,K/3 (Item 3 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

06365130 Genuine Article#: YM473 No. References: 64  
Title: Synthesis and reactivity of cationic iridium(I) complexes of  
cycloocta-1,5-diene and chiral dithioether ligands. Application as  
catalyst precursors in asymmetric hydrogenation  
Author(s): Dieguez M; Orejon A; MasdeuBulto AM; Echarri R; Castillon S ;  
Claver C (REPRINT) ; Ruiz A  
Corporate Source: UNIV ROVIRA & VIRGILI,FAC QUIM, DEPT QUIM, PL IMPERIAL  
TARRACO 1/TARRAGONA 43005//SPAIN/ (REPRINT); UNIV ROVIRA & VIRGILI,FAC  
QUIM, DEPT QUIM/TARRAGONA 43005//SPAIN/  
Journal: JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS, 1997, N23 (DEC 7), P4611-4618  
ISSN: 0300-9246 Publication date: 19971207  
Publisher: ROYAL SOC CHEMISTRY, THOMAS GRAHAM HOUSE, SCIENCE PARK, MILTON  
ROAD, CAMBRIDGE, CAMBS, ENGLAND CB4 4WF  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Title: cationic iridium(I) complexes of cycloocta-1,5-diene and chiral  
dithioether ligands. Application as catalyst precursors in asymmetric  
hydrogenation  
Author(s): Dieguez M; Orejon A; MasdeuBulto AM; Echarri R; Castillon S ;  
Claver C (REPRINT) ; Ruiz A  
...Identifiers-- TRANSITION - METAL COMPLEXES; RAY CRYSTAL-STRUCTURE;  
HOMOGENEOUS HYDROGENATION; ENANTIOSELECTIVE HYDROGENATION; SELECTIVE  
HYDROGENATION; SULFUR LIGANDS; HYDROFORMYLATION; RHODIUM(I

23/3,K/4 (Item 4 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

04289833 Genuine Article#: RU279 No. References: 24  
Title: ASYMMETRIC HYDROFORMYLATION OF STYRENE USING DITHIOLATO BRIDGED  
DIRHODIUM CATALYST WITH BDPP AS CHIRAL LIGAND

Author(s) : MASDEUBULTO AM; OREJON A; CASTILLON S ; CLAVER C  
Corporate Source: UNIV ROVIRA & VIRGILI,DEPT QUIM,PL IMPERIAL TARRACO  
1/E-43005 TARRAGONA//SPAIN/; UNIV ROVIRA & VIRGILI,DEPT QUIM/E-43005  
TARRAGONA//SPAIN/  
Journal: TETRAHEDRON-ASYMMETRY, 1995, V6, N8 (AUG), P1885-1888  
ISSN: 0957-4166  
Language: ENGLISH Document Type: NOTE (Abstract Available)

Title: ASYMMETRIC HYDROFORMYLATION OF STYRENE USING DITHIOLATO BRIDGED  
DIRHODIUM CATALYST WITH BDPP AS CHIRAL LIGAND

Author(s) : MASDEUBULTO AM; OREJON A; CASTILLON S ; CLAVER C  
Research Fronts: 93-7876 002 (ASYMMETRIC HYDROFORMYLATION CATALYST ;  
OPTICALLY-ACTIVE TRANSITION - METAL COMPLEXES; REGIOSELECTIVE  
HYDROCARBOXYLATION; BIOACTIVE MOLECULES)

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S24 211 AU=(CLAVER C?)

? s s24 and (transit? or mannit? or phospho?)

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>>>File 34 processing for PHOSPHO? stopped at PHOSPHONOACETATE

211 S24

820676 TRANSIT?

28570 MANNIT?

594832 PHOSPHO?

S25 23 S24 AND (TRANSIT? OR MANNIT? OR PHOSPHO?)

? s s25 and py<=2003

Processing

23 S25

29685384 PY<=2003

S26 13 S25 AND PY<=2003

? rd

S27 13 RD (unique items)

? ds

| Set | Items | Description  |
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| S1  | 14    | AU=((MESEGUE B?) OR (MESEG? B?))                           |
| S2  | 4     | S1 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPH?)          |
| S3  | 4     | RD (unique items)  |
| S4  | 30    | AU=((MILITZER H?) OR (MILITZ? H?)OR MILITZER HAN? CHRIST?) |
| S5  | 9     | S4 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)         |
| S6  | 9     | S5 NOT S1  |
| S7  | 9     | S5 NOT S3  |
| S8  | 156   | AU=((CASTILLON S?) OR (CAST? S?))                          |
| S9  | 50    | S8 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)         |
| S10 | 4     | S9 AND TRANSITION()METAL                                   |
| S11 | 50    | S9 AND CATAL?  |
| S12 | 1     | S9 AND MANNITOL  |
| S13 | 1     | S8 AND MANNITOL  |
| S14 | 30    | S8 AND RHOD?   |
| S15 | 30    | S14 NOT S7   |
| S16 | 30    | S15 NOT S3   |
| S17 | 0     | S16 AND MONOP?   |
| S18 | 13    | S16 AND CHIRAL   |
| S19 | 138   | S8 AND PY<=2003  |
| S20 | 50    | S9 AND S11   |
| S21 | 4     | S20 AND 9  |
| S22 | 50    | S20 AND S9   |
| S23 | 4     | S10 NOT S13  |
| S24 | 211   | AU=(CLAVER C?)   |
| S25 | 23    | S24 AND (TRANSIT? OR MANNIT? OR PHOSPHO?)                  |
| S26 | 13    | S25 AND PY<=2003   |
| S27 | 13    | RD (unique items)  |

? s s27 not s23  
13 S27  
4 S23  
S28 11 S27 NOT S23  
? t s28/3,k/all

28/3,K/1 (Item 1 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.  
  
11150865 Genuine Article#: 615XC No. References: 36  
Title: New half-sandwich heterobimetallic CpMpt ( $M = Rh, Ir$ ) dithiolato  
bridged complexes. X-ray structure of  
[(PPh<sub>3</sub>)<sub>2</sub>Pt(mu-S(CH<sub>2</sub>)<sub>2</sub>S)RhCl(eta<sub>5</sub>-C<sub>5</sub>H<sub>5</sub>)]BF<sub>4</sub>  
Author(s): Fornies-Camer J; Claver C ; Masdeu-Bulto AM (REPRINT) ; Cardin  
CJ  
Corporate Source: Univ Rovira & Virgili,Dept Quim Fis & Inorgan,Pl Imperial  
Tarraco 1/Tarragona 43005//Spain/ (REPRINT); Univ Rovira & Virgili,Dept  
Quim Fis & Inorgan,Tarragona 43005//Spain/; Univ Reading,Dept  
Chem,Reading RG6 6AD/Berks/England/  
Journal: JOURNAL OF ORGANOMETALLIC CHEMISTRY, 2002 , V662, N1-2 (NOV 15)  
, P188-191  
ISSN: 0022-328X Publication date: 20021115  
Publisher: ELSEVIER SCIENCE SA, PO BOX 564, 1001 LAUSANNE, SWITZERLAND  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)  
  
Author(s): Fornies-Camer J; Claver C ; Masdeu-Bulto AM (REPRINT) ; Cardin  
CJ  
, 2002  
...Identifiers--THIOLATE COMPLEXES; TRANSITION -METALS; METALLOLIGANDS;  
CRYSTAL; REACTIVITIES; BINUCLEAR; CHELATE; LIGAND; PD

28/3,K/2 (Item 2 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.  
  
10219465 Genuine Article#: 500BL No. References: 42  
Title: Highly enantioselective rh-catalyzed hydrogenation based on  
phosphine-phosphite ligands derived from carbohydrates  
Author(s): Pamies O; Dieguez M; Net G; Ruiz A (REPRINT) ; Claver C  
Corporate Source: Univ Rovira & Virgili,Dept Quim Fis & Inorgan,Pl Imperial  
Tarraco 1/Tarragona 43005//Spain/ (REPRINT); Univ Rovira & Virgili,Dept  
Quim Fis & Inorgan,Tarragona 43005//Spain/  
Journal: JOURNAL OF ORGANIC CHEMISTRY, 2001 , V66, N25 (DEC 14), P  
8364-8369  
ISSN: 0022-3263 Publication date: 20011214  
Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)  
  
Author(s): Pamies O; Dieguez M; Net G; Ruiz A (REPRINT) ; Claver C  
, 2001  
...Identifiers--ASYMMETRIC HYDROGENATION; DIPHOSPHITE LIGANDS; ALLYLIC  
ALKYLATION; HYDROFORMYLATION; COMPLEXES; MECHANISM; MANNITOL;  
BACKBONE; STYRENE; OLEFINS

28/3,K/3 (Item 3 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
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09756350 Genuine Article#: 446DN No. References: 27  
**Title: Diphosphites as a promising new class of ligands in Pd-catalysed asymmetric allylic alkylation**  
Author(s): Dieguez M (REPRINT) ; Jansat S; Gomez M; Ruiz A; Muller G;  
Claver C  
Corporate Source: Univ Barcelona,Dept Quim Inorgan,Marti & Franques  
1-11/E-08028 Barcelona//Spain/ (REPRINT); Univ Barcelona,Dept Quim  
Inorgan,E-08028 Barcelona//Spain/; Univ Rovira & Virgili,Dept Quim Fis  
& Inorgan,Tarragona 43005//Spain/  
Journal: CHEMICAL COMMUNICATIONS, 2001 , N12 (JUN 21), P1132-1133  
ISSN: 1359-7345 Publication date: 20010621  
Publisher: ROYAL SOC CHEMISTRY, THOMAS GRAHAM HOUSE, SCIENCE PARK, MILTON  
RD,, CAMBRIDGE CB4 0WF, CAMBS, ENGLAND  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)  
  
Author(s): Dieguez M (REPRINT) ; Jansat S; Gomez M; Ruiz A; Muller G;  
Claver C  
2001  
...Identifiers--PHOSPHINE-PHOSPHITE; HYDROGENATION; RH; PHOSPHOLANES;  
COMPLEXES

28/3,K/4 (Item 4 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

08682707 Genuine Article#: 316JJ No. References: 8  
**Title: Biarylphosphonites: a class of monodentate phosphorus(III) ligands that outperform their chelating analogues in asymmetric hydrogenation catalysis**  
Author(s): Claver C ; Fernandez E; Gillon A; Heslop K; Hyett DJ; Martorell  
A; Orpen AG; Pringle PG (REPRINT)  
Corporate Source: UNIV BRISTOL,SCH CHEM, CANTOCKS CLOSE/BRISTOL BS8  
1TS/AVON/ENGLAND/ (REPRINT); UNIV BRISTOL,SCH CHEM/BRISTOL BS8  
1TS/AVON/ENGLAND/; UNIV ROVIRA & VIRGILI,DEPT QUIM FIS  
INORGAN/TARRAGONA//SPAIN/  
Journal: CHEMICAL COMMUNICATIONS, 2000 , N11, P961-962  
ISSN: 1359-7345 Publication date: 20000000  
Publisher: ROYAL SOC CHEMISTRY, THOMAS GRAHAM HOUSE, SCIENCE PARK, MILTON  
RD, CAMBRIDGE CB4 0WF, CAMBS, ENGLAND  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)  
  
Author(s): Claver C ; Fernandez E; Gillon A; Heslop K; Hyett DJ; Martorell  
A; Orpen AG; Pringle PG...  
, 2000  
Abstract: Rhodium(I) complexes of monodentate phosphonites derived from  
2,2'-binaphthol and 9,9'-biphenanthrol are compared with diphosphonite  
chelate analogues...

28/3,K/5 (Item 5 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

08508654 Genuine Article#: 294KZ No. References: 56  
**Title: The influence of chiral phosphite and phosphonite ligands on the hydrogenation of imines with rhodium and iridium complexes**  
Author(s): Martorell A; Claver C ; Fernandez E (REPRINT)  
Corporate Source: UNIV ROVIRA & VIRGILI,DEPT QUIM FIS & INORGAN, PL

IMPERIAL TARRACO 1/TARRAGONA 43005//SPAIN/ (REPRINT); UNIV ROVIRA & VIRGILI, DEPT QUIM FIS & INORGAN/TARRAGONA 43005//SPAIN/  
Journal: INORGANIC CHEMISTRY COMMUNICATIONS, 2000, V3, N3 (MAR), P132-135  
ISSN: 1387-7003 Publication date: 20000300  
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Title: The influence of chiral phosphite and phosphonite ligands on the hydrogenation of imines with rhodium and iridium complexes

Author(s): Martorell A; Claver C ; Fernandez E (REPRINT)  
, 2000

Abstract: Acyclic imines were hydrogenated with rhodium and iridium complexes modified with chiral phosphite and phosphonite ligands. Iridium neutral precursors provided better activities than the analogous cationic complexes, although enantioselectivity was...

28/3,K/6 (Item 6 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

08163716 Genuine Article#: 253DB No. References: 289  
Title: Homogeneous catalysis with transition metal complexes containing sulfur ligands  
Author(s): Bayon JC (REPRINT) ; Claver C ; MasdeuBulto AM  
Corporate Source: UNIV AUTONOMA BARCELONA,DEPT QUIM/BELLATERRA 08913//SPAIN/ (REPRINT); UNIV ROVIRA & VIRGILI, DEPT QUIM FIS & INORGAN/TARRAGONA 43005//SPAIN/  
Journal: COORDINATION CHEMISTRY REVIEWS, 1999, V195 (OCT), P73-145  
ISSN: 0010-8545 Publication date: 19991000  
Publisher: ELSEVIER SCIENCE SA, PO BOX 564, 1001 LAUSANNE, SWITZERLAND  
Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

Title: Homogeneous catalysis with transition metal complexes containing sulfur ligands  
Author(s): Bayon JC (REPRINT) ; Claver C ; MasdeuBulto AM  
, 1999  
Abstract: Transition metal complexes with sulfur ligands are active catalysts in a considerable number of homogeneous reactions...

28/3,K/7 (Item 7 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

06568522 Genuine Article#: ZB611 No. References: 18  
Title: Synthesis, structure, and dynamic behaviour of transition metal chelate complexes with atropisomeric dithioether ligands  
Author(s): Gladiali S (REPRINT) ; Fabbri D; Kollar L; Claver C; Ruiz N; AlvarezLarena A; Pinella JF  
Corporate Source: UNIV SASSARI,DIPARTIMENTO CHIM, VIA VIENNA 2/I-07100 SASSARI//ITALY/ (REPRINT); CNR,IST APPLICAZ TECN CHIM AVANZATE PROBLEMI AGROBIOL/I-07100 SASSARI//ITALY/; UNIV PECS,DEPT INORGAN CHEM/H-7601 PECS//HUNGARY/; UNIV ROVIRA & VIRGILI, DEPT QUIM/E-43005 TARRAGONA//SPAIN/; UNIV AUTONOMA BARCELONA,AREA CRISTALLOG & MINERAL/E-08193 BELLATERRA//SPAIN/  
Journal: EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, 1998, N1 (JAN), P113-118  
ISSN: 1434-1948 Publication date: 19980100  
Publisher: WILEY-V C H VERLAG GMBH, POSTFACH 10 11 61, D-69451 WEINHEIM, GERMANY

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Title: Synthesis, structure, and dynamic behaviour of transition metal chelate complexes with atropisomeric dithioether ligands

28/3,K/8 (Item 8 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

04247996 Genuine Article#: RR349 No. References: 93

Title: RECENT ADVANCES IN ENANTIOSELECTIVE HYDROFORMYLATION

Author(s): GLADIALI S; BAYON JC; CLAVER C

Corporate Source: UNIV SASSARI,DIPARTIMENTO CHIM,VIA VIENNA 2/I-07100

SASSARI//ITALY//; UNIV AUTONOMA BARCELONA,DEPT QUIM/E-08193

BARCELONA//SPAIN//; UNIV ROVIRA & VIRGILI,DEPT QUIM/E-43005

TARRAGONA//SPAIN//

Journal: TETRAHEDRON-ASYMMETRY, 1995 , V6, N7 (JUL), P1453-1474

ISSN: 0957-4166

Language: ENGLISH Document Type: ARTICLE

Author(s): GLADIALI S; BAYON JC; CLAVER C

, 1995

Research Fronts: 93-5317 001 (HOMOGENEOUS HRH(CO)(PPH3)3 CATALYST;  
POLYMER SUPPORTED TRANSITION -METAL COMPLEXES; CONTINUOUS LIQUID-PHASE  
HYDROFORMYLATION)  
93-7876 001 (ASYMMETRIC HYDROFORMYLATION CATALYST; OPTICALLY-ACTIVE  
TRANSITION -METAL COMPLEXES; REGIOSELECTIVE HYDROCARBOXYLATION;  
BIOACTIVE MOLECULES)

28/3,K/9 (Item 9 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

03836432 Genuine Article#: QJ128 No. References: 18

Title: PREPARATION OF CARBONYL PHOSPHINE RHODIUM COMPLEXES WITH DITHIOLATE  
BRIDGES - APPLICATION AS CATALYST PRECURSORS IN THE HYDROFORMYLATION OF  
1-HEXENE

Author(s): AALITI A; MASDEU AM; RUIZ A; CLAVER C

Corporate Source: UNIV ROVIRA & VIRGILI,FAC QUIM,DEPT QUIM,PL IMPERIAL  
TARRACO 1/E-43005 TARRAGONA//SPAIN//; UNIV ROVIRA & VIRGILI,FAC  
QUIM,DEPT QUIM/E-43005 TARRAGONA//SPAIN//

Journal: JOURNAL OF ORGANOMETALLIC CHEMISTRY, 1995 , V489, N1-2 (MAR 8), P  
101-106

ISSN: 0022-328X

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Author(s): AALITI A; MASDEU AM; RUIZ A; CLAVER C

, 1995

Research Fronts: 93-5317 001 (HOMOGENEOUS HRH(CO)(PPH3)3 CATALYST;  
POLYMER SUPPORTED TRANSITION -METAL COMPLEXES; CONTINUOUS LIQUID-PHASE  
HYDROFORMYLATION)

93-8262 001 (RUTHENIUM COMPLEXES; LIGAND STERIC PROPERTIES; MOLECULAR

...

28/3,K/10 (Item 10 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

00831822 Genuine Article#: EZ796 No. References: 36  
**Title: RHODIUM(I) AND IRIDIUM(I) COMPLEXES OF PH<sub>2</sub>P(S)CH<sub>2</sub>P(S)PH<sub>2</sub>,  
BIS(DIPHENYLPHOSPHINO)METHANE DISULFIDE**  
**Author(s): ABBASSIOUN MS; CHALONER PA; CLAVER C ; HITCHCOCK PB; MASDEU AM;  
RUIZ A; SABALLS T**  
**Corporate Source: FAC QUIM TARRAGONA,DEPT QUIM,PL IMPERIAL TARRACO  
1/E-43005 TARRAGONA//SPAIN//; FAC QUIM TARRAGONA,DEPT QUIM,PL IMPERIAL  
TARRACO 1/E-43005 TARRAGONA//SPAIN//; UNIV SUSSEX,SCH CHEM & MOLEC  
SCI/BRIGHTON BN1 9QJ/E SUSSEX/ENGLAND/**  
**Journal: JOURNAL OF ORGANOMETALLIC CHEMISTRY, 1991 , V403, N1-2, P229-241**  
**Language: ENGLISH Document Type: ARTICLE (Abstract Available)**  
  
**Author(s): ABBASSIOUN MS; CHALONER PA; CLAVER C ; HITCHCOCK PB; MASDEU AM;  
RUIZ A; SABALLS T**  
**, 1991**  
**Research Fronts: 89-0051 001 (RHODIUM(I) COMPLEXES; TRANSITION -METAL  
DERIVATIVES OF THE CYCLOPENTADIENYL PHOSPHINE-LIGANDS; OPTICALLY-ACTIVE  
PHENANTHROLINES IN ASYMMETRIC CATALYSIS)**  
**89-4326...**

28/3,K/11 (Item 11 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

00517630 Genuine Article#: DY061 No. References: 30  
**Title: INFLUENCE OF DIFFERENT LIGANDS IN HOMOGENEOUS HYDROGENATION USING  
IRIDIUM COMPLEXES WITH THIOETHER LIGANDS**  
**Author(s): SOLE J; BO C; CLAVER C ; RUIZ A**  
**Corporate Source: UNIV BARCELONA,DEPT QUIM,PL IMPERIAL TARRACO 1/E-43005  
TARRAGONA//SPAIN//; UNIV BARCELONA,DEPT QUIM,PL IMPERIAL TARRACO  
1/E-43005 TARRAGONA//SPAIN//**  
**Journal: JOURNAL OF MOLECULAR CATALYSIS, 1990 , V61, N2, P163-171**  
**Language: ENGLISH Document Type: ARTICLE**

**Author(s): SOLE J; BO C; CLAVER C ; RUIZ A**  
**, 1990**  
**Research Fronts: 88-0220 002 (X-RAY CRYSTAL-STRUCTURE; CLUSTER BONDING;  
TRANSITION -METAL COMPLEXES; NUCLEAR MAGNETIC-RESONANCE SPECTRA)**  
**88-1938 001 (HETEROMETALLIC COMPLEXES; CLUSTER CHEMISTRY; X-RAY...)**

...SUBSTITUTED DERIVATIVES; COBALT BIS(2,4-PENTANEDIONATE))  
88-2969 001 (HOMOGENEOUS ASYMMETRIC HYDROGENATION; ENANTIOSELECTIVE  
CATALYSTS; TRANSITION -METAL COMPLEXES; CATALYTIC KINETIC RESOLUTION)  
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| S3  | 4     | RD (unique items)  |
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| S5  | 9     | S4 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPH?)          |
| S6  | 9     | S5 NOT S1  |
| S7  | 9     | S5 NOT S3  |
| S8  | 156   | AU=((CASTILLON S?) OR (CAST? S?))                          |
| S9  | 50    | S8 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPH?)          |
| S10 | 4     | S9 AND TRANSITION()METAL                                   |
| S11 | 50    | S9 AND CATAL?  |
| S12 | 1     | S9 AND MANNITOL  |

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S17      0   S16 AND MONOP?
S18      13  S16 AND CHIRAL
S19      138 S8 AND PY<=2003
S20      50  S9 AND S11
S21      4   S20 AND 9
S22      50  S20 AND S9
S23      4   S10 NOT S13
S24      211 AU=(CLAVER C?)
S25      23  S24 AND (TRANSIT? OR MANNIT? OR PHOSPHO?)
S26      13  S25 AND PY<=2003
S27      13  RD (unique items)
S28      11  S27 NOT S23
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    594832 PHOSPHO?
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32/3,K/1 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
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13439213 Genuine Article#: 880TZ No. References: 167
Title: Carbohydrate derivative ligands in asymmetric catalysis
Author(s): Dieguez M; Pamies O; Ruiz A; Diaz Y ; Castillon S; Claver C
          (REPRINT)
Corporate Source: Univ Rovira & Virgili,Dept Quim Fis & Inorgan,Pl Imperial
                  Tarraco 1/E-43005 Tarragona//Spain/ (REPRINT); Univ Rovira &
                  Virgili,Dept Quim Fis & Inorgan,E-43005 Tarragona//Spain/; Univ Rovira
                  & Virgili,Dept Quim Analit & Quim Organ,E-43005 Tarragona//Spain/(
                  claver@quimica.urv.es)
Journal: COORDINATION CHEMISTRY REVIEWS, 2004, V248, N21-24 (DEC), P
          2165-2192
ISSN: 0010-8545 Publication date: 20041200
Publisher: ELSEVIER SCIENCE SA, PO BOX 564, 1001 LAUSANNE, SWITZERLAND
Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

Author(s): Dieguez M; Pamies O; Ruiz A; Diaz Y ; Castillon S; Claver C
          (REPRINT)
Abstract: This review describes how carbohydrates have been applied as
          ligands in transition metal asymmetric catalysis. In general,
          carbohydrates are functionalized with donor atoms such as P, N or S so
          that they can be coordinated to transition metals. The review deals

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with all the different types of ligands in turn. After an...

32/3,K/2 (Item 2 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 The Thomson Corp. All rts. reserv.

13300832 Genuine Article#: 865MT No. References: 44  
**Title: C-2-symmetric diphosphinite ligands derived from carbohydrates. The strong influence of remote stereocenters on asymmetric rhodium-catalyzed hydrogenation**  
Author(s): Aghmiz M; Aghmiz A; Diaz Y (REPRINT) ; Masdeu-Bulto A; Claver C; Castillon S  
Corporate Source: Univ Rovira & Virgili,Dept Quim Analit & Quim Organ, Fac Quim,Pl Imperial Tarraco 1/Tarragona 43005//Spain/ (REPRINT); Univ Rovira & Virgili,Dept Quim Analit & Quim Organ, Fac Quim,Tarragona 43005//Spain/; Univ Rovira & Virgili,Dept Quim Fis & Inorgan, Fac Quim,Tarragona 43005//Spain/(ydiaz@quimica.urv.es; castillon@quimica.urv.es)  
Journal: JOURNAL OF ORGANIC CHEMISTRY, 2004, V69, N22 (OCT 29), P7502-7510  
ISSN: 0022-3263 Publication date: 20041029  
Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Identifiers--CHIRAL LIGANDS; D-GLUCOSE; DEHYDROAMINO ACIDS; VINYL ARENES; AMINO-ACIDS; D- MANNITOL ; COMPLEXES; DERIVATIVES; HYDROCYANATION; PHOSPHINITES  
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? s s33 not s28  
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    S34           3 S33 NOT S28  
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    29685384 PY<=2003  
    S36           1 S35 AND PY<=2003  
? t s36/3,k/all

36/3,K/1 (Item 1 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
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09872475 Genuine Article#: 457FW No. References: 25  
**Title: The reaction of pyranoside 2-uloses with DAST revised. Synthesis of 1-fluoro-ketofuranosyl fluorides and their reactivity with alcohols**  
Author(s): Aghmiz ML ; Diaz Y (REPRINT) ; Jana GH; Matheu MI; Echarri R; Castillon S; Jimeno ML  
Corporate Source: Univ Rovira & Virgili,Dept Quim,Pza Imperial tarraco 1/E-43005 Tarragona//Spain/ (REPRINT); Univ Rovira & Virgili,Dept Quim,E-43005 Tarragona//Spain/; CSIC,Ctr Quim Organ Manuel Lora Tamayo,E-28006 Madrid//Spain/  
Journal: TETRAHEDRON, 2001 , V57, N31 (JUL 30), P6733-6743  
ISSN: 0040-4020 Publication date: 20010730  
Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Aghmiz ML ; Diaz Y (REPRINT) ; Jana GH; Matheu MI; Echarri R;  
               Castillon S; Jimeno ML  
               , 2001  
 ? s au=(guiu E?)  
       S37       7 AU=(GUIU E?)  
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       7 S37  
       820676 TRANSIT?  
       28570 MANNIT?  
       594832 PHOSPHO?  
       S38       1 S37 AND (TRANSIT? OR MANNIT? OR PHOSPHO?)  
 ? s s38 not s28  
       1 S38  
       11 S28  
       S39       1 S38 NOT S28  
 ? t s39/3,k/all

39/3,K/1       (Item 1 from file: 34)  
 DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
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12514771     Genuine Article#: 773MB   No. References: 33  
**Title:** A case for enantioselective allylic alkylation catalyzed by  
               palladium nanoparticles  
 Author(s): Jansat S; Gomez M; Philippot K; Muller G; Guiu E ; Claver C;  
               Castillon S; Chaudret B (REPRINT)  
 Corporate Source: Univ Barcelona,Dept Quim Inorgan,Marti & Franques  
               1-11/Barcelona 08028//Spain/ (REPRINT); Univ Barcelona,Dept Quim  
               Inorgan,Barcelona 08028//Spain/; CNRS,Chim Coordinat Lab,F-31077  
               Toulouse 04//France/; Univ Rovira & Virgili,Dept Quim Fis & Quim  
               Inorgan,Tarragona 43005//Spain/; Univ Rovira & Virgili,Dept Quim Analit  
               & Quim Organ,Tarragona 43005//Spain/

Journal: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 2004, V126, N6 (FEB 18)  
         , P1592-1593  
 ISSN: 0002-7863   Publication date: 20040218  
 Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA  
 Language: English   Document Type: ARTICLE

Author(s): Jansat S; Gomez M; Philippot K; Muller G; Guiu E ; Claver C;  
               Castillon S; Chaudret B (REPRINT)  
 ... Identifiers-- TRANSITION -METAL NANOCLUSTERS; KINETIC RESOLUTION;  
               PLATINUM COLLOIDS; ETHYL PYRUVATE; HYDROGENATION; LIGANDS; PRECURSORS;  
               POLYMER; SUZUKI  
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       S40       13 AU=(AGHMIZ A?)

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| S3  | 4     | RD (unique items)  |
| S4  | 30    | AU=((MILITZER H?) OR (MILITZ? H?)OR MILITZER HAN? CHRIST?) |
| S5  | 9     | S4 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)         |
| S6  | 9     | S5 NOT S1  |
| S7  | 9     | S5 NOT S3  |
| S8  | 156   | AU=((CASTILLON S?) OR (CAST? S?))                          |
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S19      138 S8 AND PY<=2003
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S26      13  S25 AND PY<=2003
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S28      11  S27 NOT S23
S29      133 AU=(DIAZ Y?)
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S31      2   S30 NOT S28
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S33      3   AU=(AGHMIZ M?)
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S39      1   S38 NOT S28
S40      13  AU=(AGHMIZ A?)

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S41      12  S40 NOT S8
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      28570 MANNIT?
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S42      1   S41 AND (TRANSIT? OR MANNIT? OR PHOSPHOR?)
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42/3,K/1 (Item 1 from file: 34)  
 DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
 (c) 2006 The Thomson Corp. All rts. reserv.

14065559 Genuine Article#: 939JH No. References: 50  
**Title:** Cationic iridium complexes with chiral dithioether ligands:  
 Synthesis, characterisation and reactivity under hydrogenation  
 conditions  
**Author(s):** Flores-Santos L; Martin E (REPRINT) ; Aghmiz A ; Dieguez M;  
 Claver C; Masdeu-Bulto AM; Munoz-Hernandez MA  
**Corporate Source:** Univ Nacl Autonoma Mexico,Fac Quim, Dept Quim Inorgan,Cd  
 Univ/Mexico City 04510/DF/Mexico/ (REPRINT); Univ Nacl Autonoma  
 Mexico,Fac Quim, Dept Quim Inorgan,Mexico City 04510/DF/Mexico/; Univ  
 Rovira & Virgili,Dept Quim Fis & Inorgan,Tarragona 43005//Spain//; Univ  
 Autonoma Estado Morelos,Ctr Invest Quim,Cuernavaca/Morelos/Mexico/(  
 erikam@servidor.unam.mx; masdeu@quimica.urv.es; mamund2@ciq.uaem.mx)  
**Journal:** EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, 2005, N12 (JUN 20), P  
 2315-2323  
**ISSN:** 1434-1948 Publication date: 20050620

Publisher: WILEY-V C H VERLAG GMBH, PO BOX 10 11 61, D-69451 WEINHEIM,  
GERMANY

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Flores-Santos L; Martin E (REPRINT) ; Aghmiz A ; Dieguez M;  
Claver C; Masdeu-Bulto AM; Munoz-Hernandez MA

...Identifiers--CATALYZED ALLYLIC SUBSTITUTIONS; ASYMMETRIC CONJUGATE  
ADDITION; MIXED PHOSPHORUS /SULFUR LIGANDS; TRANSITION  
-METAL-COMPLEXES; ORGANOMETALLIC REAGENTS; COORDINATION CHEMISTRY;  
XYLOFURANOSE BACKBONE; OXAZOLINE LIGANDS; SULFUR; THIOGLUCOSE

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12 S43

138 S19

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635948 23.

S45 9 S44 NOT 23

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9 S45

7 S37

S46 9 S45 NOT S37

? s s46 not s1

9 S46

14 S1

S47 9 S46 NOT S1

? s s47 and (transit? or mannit? or phosphor?)

9 S47

820676 TRANSIT?

28570 MANNIT?

709911 PHOSPHOR?

S48 2 S47 AND (TRANSIT? OR MANNIT? OR PHOSPHOR?)

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S49 2 RD (unique items)

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49/3,X/1 (Item 1 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci

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03836432 Genuine Article#: QJ128 No. References: 18

Title: PREPARATION OF CARBONYL PHOSPHINE RHODIUM COMPLEXES WITH DITHIOLATE  
BRIDGES - APPLICATION AS CATALYST PRECURSORS IN THE HYDROFORMYLATION OF  
1-HEXENE

Author(s): AALITI A; MASDEU AM ; RUIZ A; CLAVER C

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Research Fronts: 93-5317 001 (HOMOGENEOUS HRH(CO)(PPH<sub>3</sub>)<sub>3</sub> CATALYST;  
POLYMER SUPPORTED TRANSITION -METAL COMPLEXES; CONTINUOUS LIQUID-PHASE  
HYDROFORMYLATION)

93-8262 001 (RUTHENIUM COMPLEXES; LIGAND STERIC PROPERTIES; MOLECULAR

49/3,K/2 (Item 2 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
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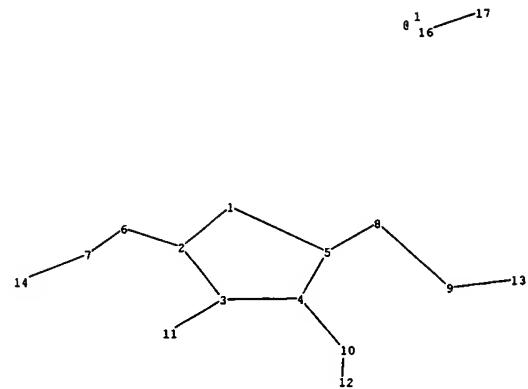
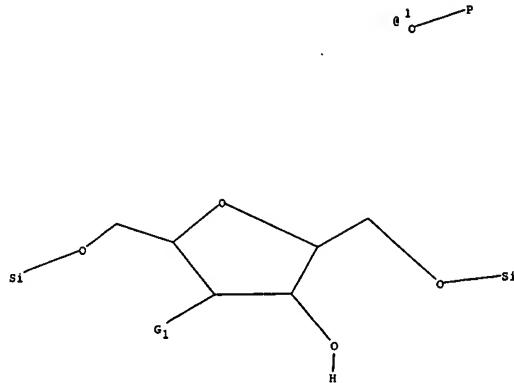
00831822 Genuine Article#: EZ796 No. References: 36  
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BIS(DIPHENYLPHOSPHINO)METHANE DISULFIDE**  
**Author(s): ABBASSIOUN MS; CHALONER PA; CLAVER C; HITCHCOCK PB; MASDEU AM;  
RUIZ A; SABALLS T**  
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TARRACCO 1/E-43005 TARRAGONA//SPAIN//; UNIV SUSSEX,SCH CHEM & MOLEC  
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**Language: ENGLISH Document Type: ARTICLE (Abstract Available)**

**Research Fronts: 89-0051 001 (RHODIUM(I) COMPLEXES; TRANSITION -METAL  
DERIVATIVES OF THE CYCLOPENTADIENYL PHOSPHINE-LIGANDS; OPTICALLY-ACTIVE  
PHENANTHROLINES IN ASYMMETRIC CATALYSIS)**

89-4326...

? ds

| Set | Items | Description  |
|-----|-------|--|
| S1  | 14    | AU=((MESEGUE B?) OR (MESEG? B?))                           |
| S2  | 4     | S1 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPH?)          |
| S3  | 4     | RD (unique items)  |
| S4  | 30    | AU=((MILITZER H?) OR (MILITZ? H?)OR MILITZER HAN? CHRIST?) |
| S5  | 9     | S4 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)         |
| S6  | 9     | S5 NOT S1  |
| S7  | 9     | S5 NOT S3  |
| S8  | 156   | AU=((CASTILLON S?) OR (CAST? S?))                          |
| S9  | 50    | S8 AND (TRANSIT? OR CATAL? OR MANNIT? OR PHOSPHO?)         |
| S10 | 4     | S9 AND TRANSITION()METAL                                   |
| S11 | 50    | S9 AND CATAL?  |
| S12 | 1     | S9 AND MANNITOL  |
| S13 | 1     | S8 AND MANNITOL  |
| S14 | 30    | S8 AND RHOD?   |
| S15 | 30    | S14 NOT S7   |
| S16 | 30    | S15 NOT S3   |
| S17 | 0     | S16 AND MONOP?   |
| S18 | 13    | S16 AND CHIRAL   |
| S19 | 138   | S8 AND PY<=2003  |
| S20 | 50    | S9 AND S11   |
| S21 | 4     | S20 AND 9  |
| S22 | 50    | S20 AND S9   |
| S23 | 4     | S10 NOT S13  |
| S24 | 211   | AU=(CLAVER C?)   |
| S25 | 23    | S24 AND (TRANSIT? OR MANNIT? OR PHOSPHO?)                  |
| S26 | 13    | S25 AND PY<=2003   |
| S27 | 13    | RD (unique items)  |
| S28 | 11    | S27 NOT S23  |
| S29 | 133   | AU=(DIAZ Y?)   |
| S30 | 2     | S29 AND (TRANSIT? OR MANNIT? OR PHOSPHO?)                  |
| S31 | 2     | S30 NOT S28  |
| S32 | 2     | RD (unique items)  |
| S33 | 3     | AU=(AGHMIZ M?)   |
| S34 | 3     | S33 NOT S28  |
| S35 | 3     | RD (unique items)  |



chain nodes :

6 7 8 9 10 11 12 13 14 16 17

ring nodes :

1 2 3 4 5

chain bonds :

2-6 3-11 4-10 5-8 6-7 7-14 8-9 9-13 10-12 16-17

ring bonds :

1-2 1-5 2-3 3-4 4-5

exact/norm bonds :

1-2 1-5 2-3 3-4 3-11 4-5 4-10 6-7 8-9 16-17

exact bonds :

2-6 5-8 7-14 9-13 10-12

G1:O,P,[\*1]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS7:CLASS8:CLASS9:CLASS10:CLASS11:CLASS  
12:CLASS13:CLASS14:CLASS16:CLASS17:CLASS

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